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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/611,622	06/30/2003	Atsuo Yamada	09793822-0191	1376	
26263	7590 05/01/2006		EXAM	EXAMINER	
SONNENSCHEIN NATH & ROSENTHAL LLP			WEINER, LAURA S		
P.O. BOX 061080 WACKER DRIVE STATION, SEARS TOWER			ART UNIT	PAPER NUMBER	
	IL 60606-1080	1745			
			DATE MAILED: 05/01/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	_
	10/611,622	YAMADA ET AL.	
Office Action Summary	Examiner	Art Unit	_
	Laura S. Weiner	1745	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 21 Ma	arch 2006.		
2a) This action is FINAL. 2b) ⊠ This	action is non-final.		
3) Since this application is in condition for allowan	•		
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) 13-15 is/are pending in the application	1.		
4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>13-15</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	r election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examine	r.		
10)☐ The drawing(s) filed on is/are: a)☐ acce	epted or b) objected to by the I	Examiner.	
Applicant may not request that any objection to the	-···	, ,	
Replacement drawing sheet(s) including the correcti	• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:	priority under 35 U.S.C. § 119(a)	)-(d) or (f).	
1.☐ Certified copies of the priority documents	s have been received.		
2. Certified copies of the priority documents		on No	
3. Copies of the certified copies of the prior			
application from the International Bureau	ı (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a list	of the certified copies not receive	ed.	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da		
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) Notice of Informal P	Patent Application (PTO-152)	
Paper No(s)/Mail Date <u>10-05</u> .	6)		

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#### **DETAILED ACTION**

### Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3-21-06 has been entered.

## Response to Arguments

2. Applicant's arguments with respect to claims 13-15 have been considered but are moot in view of the new ground(s) of rejection.

#### Information Disclosure Statement

3. The information disclosure statement filed 10-20-05 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. Therefore, the Japanese patent, JP 10-312789 has not been considered.

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## Claim Rejections - 35 USC § 102

4. Claims 13-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Barker et al. (6,645,452).

Barker et al. teaches in column 10, line 40 to column 12, line 3, a method of making lithium metal phosphates for use as cathode materials. The lithium metal phosphates are materials having an olivine crystal structure. The formation of lithium metal phosphates is performed with a one stage process. The particulate precursors are admixed and subject to a suitable grinding process. The first metal compound choice is Fe, Co, Ni, Mn, Cu, V, Ti, Cr and mixtures. The metal compounds are admixed with a particulate lithium compound and a particulate phosphate compound [a mixing step of mixing starting materials]. The process involves heating the pelletized precursors to an elevated temperature sufficient to promote the formation of the reaction product. The elevated temperature is from 500-1200 degrees C [sintering step at a temperature not lower than 400 degrees C and not higher than 700 degrees C or 400-600 degrees CJ. Exemplary compounds produced by this method include lithium iron phosphate and lithium vanadium phosphate. Barker et al. teaches in column 25, lines 9-13, that one such compound, lithium iron phosphate, LiFePO4 [LixMyPO4 is LiFePO41 was fabricated, tested and characterized.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Laura S Weiner
Primary Examiner
Art Unit 1745

April 26, 2006